

**Coastal Innovative Products, Inc.
941 N. Alm Street Suite-C
Orange, CA. 92867**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: LANAI Series Aluminum Out folding Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No. CIP001 Rev A, titled "E-3 Hurricane" Bi-folding Door", sheets 1 through 11 of 11, prepared by Certworks, LLC, dated 10/06/10 and last revised on 03-15-2012, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**Limitation:**

1. See Design Pressure rating Vs sill type, in sheet 1.
2. See Recess threshold detail for Low Rise and Flush Sill into wood substrate and concrete substrate in sheet 11.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 10-1019.01 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under file # **10-1019.01**)
2. Drawing No. **CIP001 Rev A** titled "E-3 Hurricane" Bi-folding Door", sheets 1 through 11 of 11, prepared by Certworks, LLC, dated 10/06/10 and last revised on 03-15-2012, signed and sealed by Hermes F. Norero, P.E.

Note: This revision consists of FBC 2010 notes only.

B. TESTS (Submitted under file # 10-1019.01)

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of out folding aluminum doors, prepared by Architectural Testing, Test Report No. **A0896.01-301-18**, dated 09/29/10, signed and sealed by Joseph A. Reed, P. E. **Note:** This test report was revised by an addendum letter dated 02/01/11, issued by Architectural Testing, signed and sealed by Joseph A. Reed, P. E.

Additional Referenced test report, along with marked-up drawings and installation diagram of Infolding aluminum doors, prepared by Architectural Testing, Test Report No. **A0896.02-301-18**, dated 09/29/10, signed and sealed by Joseph A. Reed, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Building Drops (a parent of CertWorks, LLC), dated 02/22/12, signed and sealed by Hermes F. Norero, P.E
2. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by CertWorks, dated 01/27/11 and last revised on 07-05-11, signed and sealed by Alex Spyrou, P.E. (Submitted under file #**10-1019.01**)
3. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

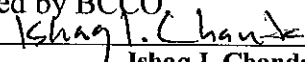
1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass @ interlayer", expiring on 01/14/17.
2. Thermoplastic properties of Santoprene 101-64 per ASTM D 412, ASTM D 395, ASTM D 624 and ASTM D 792 (Submitted under file #**10-1019.02**)

F. STATEMENTS

1. Statement letter of conformance to FBC 2010, prepared by Building Drops (a parent of CertWorks, LLC), dated 02/22/12, signed and sealed by Hermes F. Norero, P.E
2. Statement letter of taking project & control as Engineer of Records, prepared by Building Drops (a parent of CertWorks), dated 02/22/12, signed and sealed by Hermes F. Norero, P.E.
3. Statement letter of conformance to FBC 2007 and letter of no financial interest, prepared by CertWorks, LLC, dtd 03/23/11, signed & sealed by Alex Spyrou, P.E. (Submitted in #**10-1019.01**)
4. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA revises NOA # **10-1019.01**, expiring on 07/21/16.
2. Test proposal #**10-0393**, dated June 14, 2010, approved by BCCO.


Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 12-0326.10

Expiration Date: July 21, 2016

Approval Date: December 23, 2010

2/23/2012 5:21 PM
p:\projects\coastal innovative products\ind-p-12-0329 (2010 fbc code change)\dwg\cip001.dwg

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN. (SEE ANCHOR LAYOUT SHEETS 2 - 4)
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/16 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE WITH MINIMUM 1 INCH EDGE DISTANCE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT AND WITH MINIMUM 2-1/2 INCH EDGE DISTANCE.
- FOR INSTALLATION INTO 33 KSI STEEL STUD USE 1/4-14 TEK SCREWS (GRADE 5) OF SUFFICIENT LENGTH TO ACHIEVE THREE (3) THREADS MINIMUM PENETRATION BEYOND THE METAL STRUCTURE.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THIS APPROVAL.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI.
 - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS (20 GAUGE OR 0.033 IN.) MUST BE DESIGNED TO ADEQUATELY TRANSFER LOADS APPLIED.
- THRESHOLD/SILL INSTALLATION: FLUSH GUIDE SILL (DETAIL D/5) & LOW-RISE SILL (DETAIL K/6) ARE LIMITED TO INSTALLATIONS AS SHOWN ON SHEET 11 INTO WOOD OR CONCRETE SUBSTRATES.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 & 2010 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT. FOR NON-HVHZ AREA, INSTALLATION TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
- DEVIATION FROM THE APPROVED NOA IN HVHZ AREA REQUIRE A ONE TIME APPROVAL FROM MIAMI-DADE COUNTY.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: ALUMINUM 6063-T5
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.
- SILICONE SEALANT TO BE APPLIED BETWEEN GLASS AND FRAME AND BETWEEN FRAME CORNERS AND PANEL CORNERS.
- FOR INSTALLATION OF LOW-RISE AND FLUSH SILL 2X8 WOOD BUCK OR CONCRETE MUST BE RECESSED AND/OR ROUTED TO ACCOMMODATE THESE COMPONENTS PRIOR TO INSTALLATION.

COASTAL INNOVATIVE PRODUCTS

LANAI SERIES E3 HURRICANE

OUTWARD OPENING BI-FOLD DOOR

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
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4	A	ELEVATION & ANCHOR LAYOUT
5	A	VERTICAL SECTIONS
6	A	VERTICAL SECTIONS & GLAZING DETAILS
7	A	HORIZONTAL SECTIONS
8	A	COMPONENTS & BILL OF MATERIALS
9	A	COMPONENTS
10	A	CORNER DETAILS & CONFIGURATIONS
11	A	INSTALLATION PREPARATION DETAILS

DESIGN PRESSURE RATING			
GLAZE TYPE	DESIGN PRESSURE		MISSILE IMPACT RATING
1 & 2	+55.0 / -55.0 PSF	W/ WATER INFILTRATION (STANDARD SILL ONLY)	LARGE AND SMALL MISSILE IMPACT RATED
	+70.0 / -70.0 PSF *	W/O WATER INFILTRATION (STANDARD, FLUSH, & LOW RISE SILL)	

*UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THE OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT GREATER THAN 1.0 WHERE WATER INFILTRATION IS REQUIRED.



COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92867
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
INSTALLATION & GENERAL NOTES
PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	2010 FBC CODE UPDATE	MS	2.21.12

3-15-2012
HERMES FLORES, PE
FLORIDA P.E. NO. 79378
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
REG. CERT. OF AUTHORIZATION: NJL 28578

PRODUCT REVISED
to comply with the Florida
Building Code
Amendment No. 2-0326-10
Expiration Date: July 24, 2016
Khan, I. Khan
Product Control

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 1 OF 11



COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92867
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
ELEVATION &
ANCHOR LAYOUT
PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

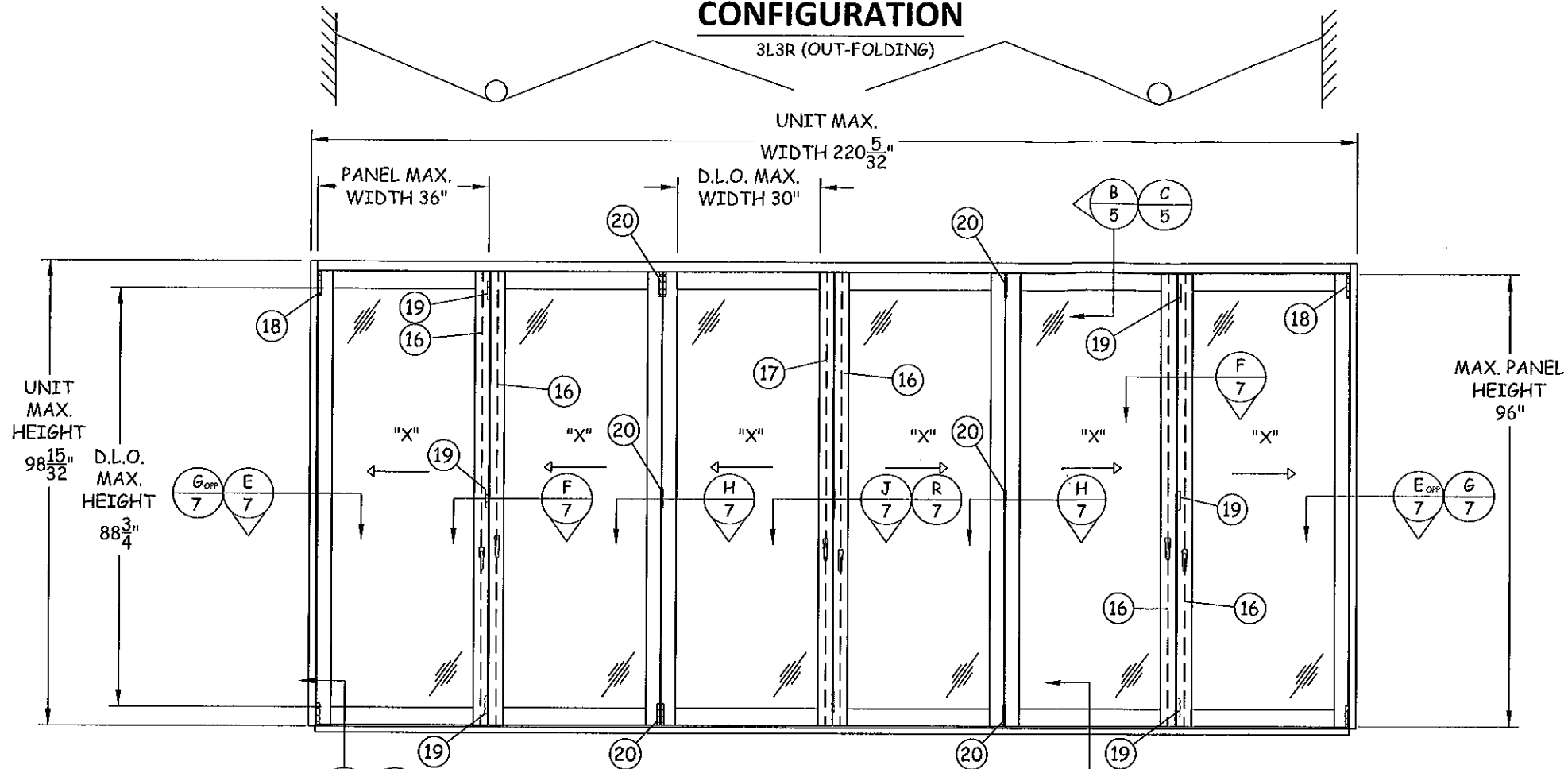
REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2010 FBC CODE UPDATE	MS	2.21.12

3-15-2012
REVISED BY: JLA
CHECKED BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 2 OF 11

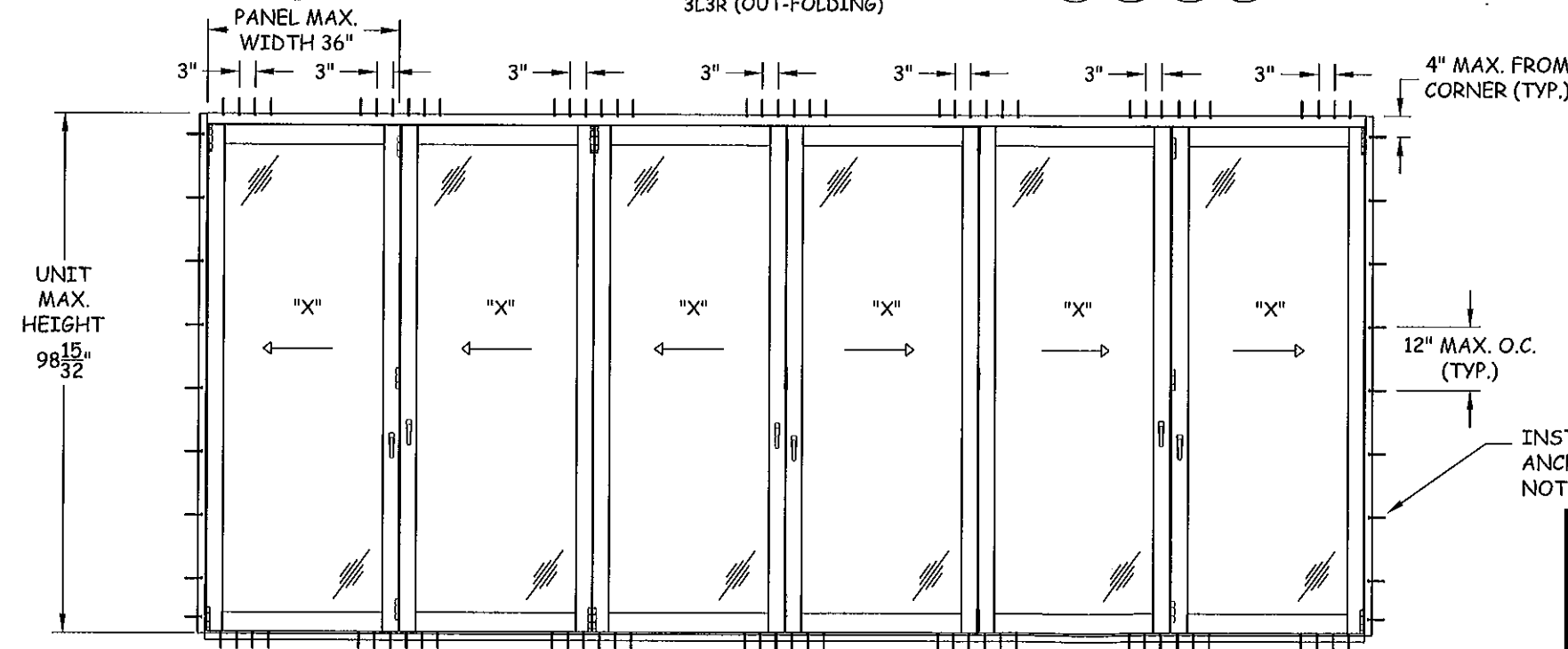
CONFIGURATION

3L3R (OUT-FOLDING)



ELEVATION

3L3R (OUT-FOLDING)



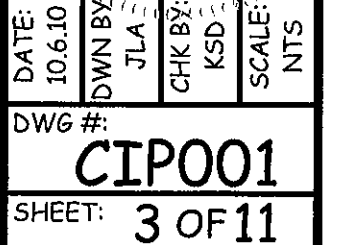
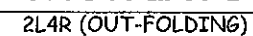
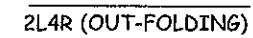
ANCHOR LAYOUT

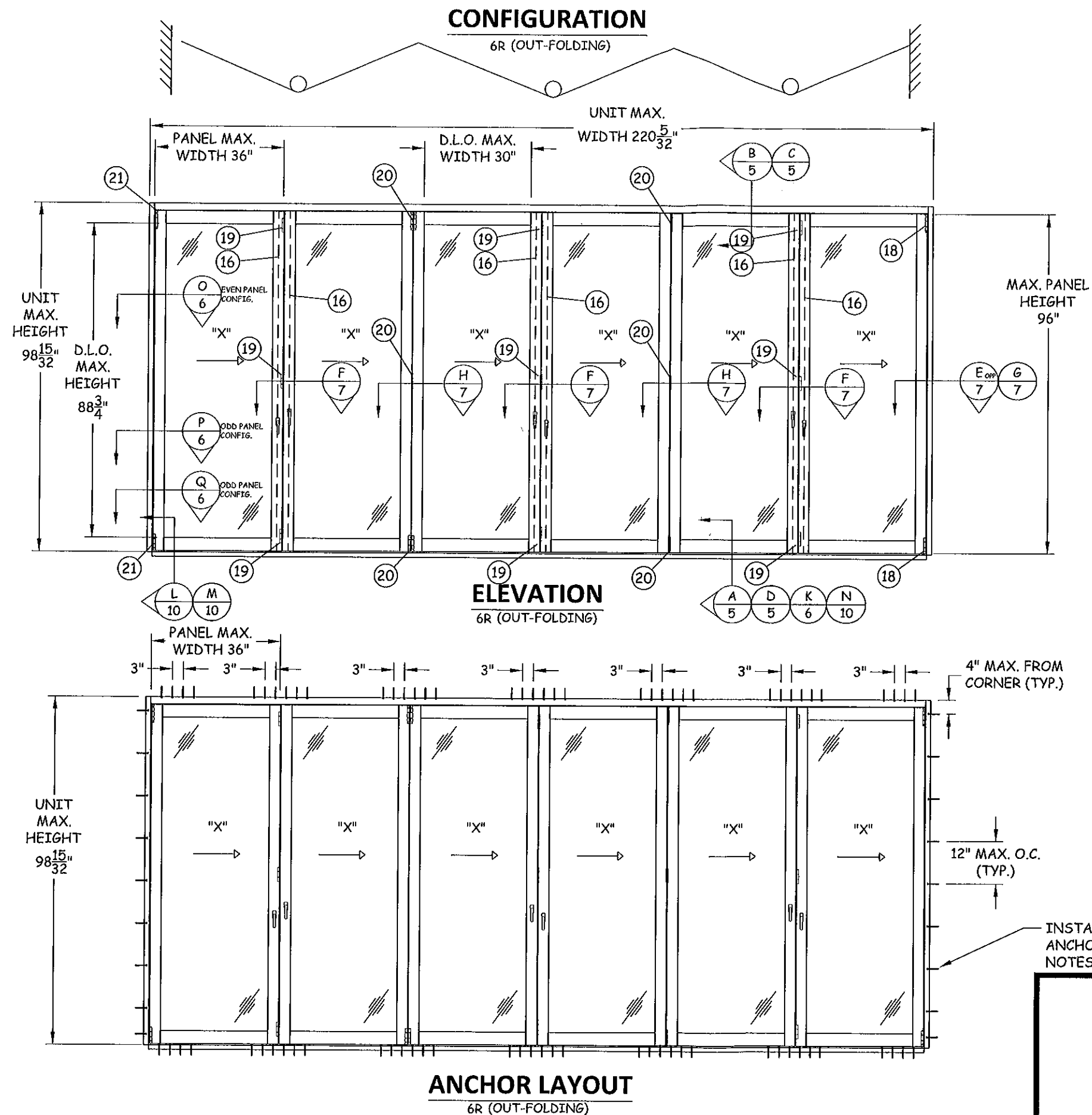
3L3R (OUT-FOLDING)

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 12-0326.10
Expiration Date 7/21/16
By: [Signature]
Manufacturer/Project Control

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 2 OF 11

2L4R (OUT-FOLDING)





COASTAL INNOVATIVE PRODUCTS
941 NORTH ELAM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
ELEVATION &
ANCHOR LAYOUT

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789

PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS		DESCRIPTION	BY	DATE
1	A	2010 FBC CODE UPDATE	MS	2.21.12

[Signature]
3-15-2012
KERNES E. KERNES, P.E.
FLORIDA P.E. NO. 79776
~BUILDING DROPS~
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PERMIT OF AUTHORIZATION NO. 28578

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0326-10
Expiration Date 7/31/16
[Signature]
Building Dept. Permit Clerk

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS

DWG #: **CIP001**
SHEET: **4 OF 11**



LANAI
DOORS
DESIGNING THE OUTDOOR LIVING

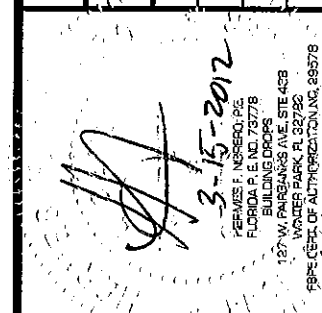
COASTAL INNOVATIVE PRODUCTS
941 NORTH ELAM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

TITLE:
E3 HURRICANE BIFOLD DOOR
VERTICAL SECTIONS

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

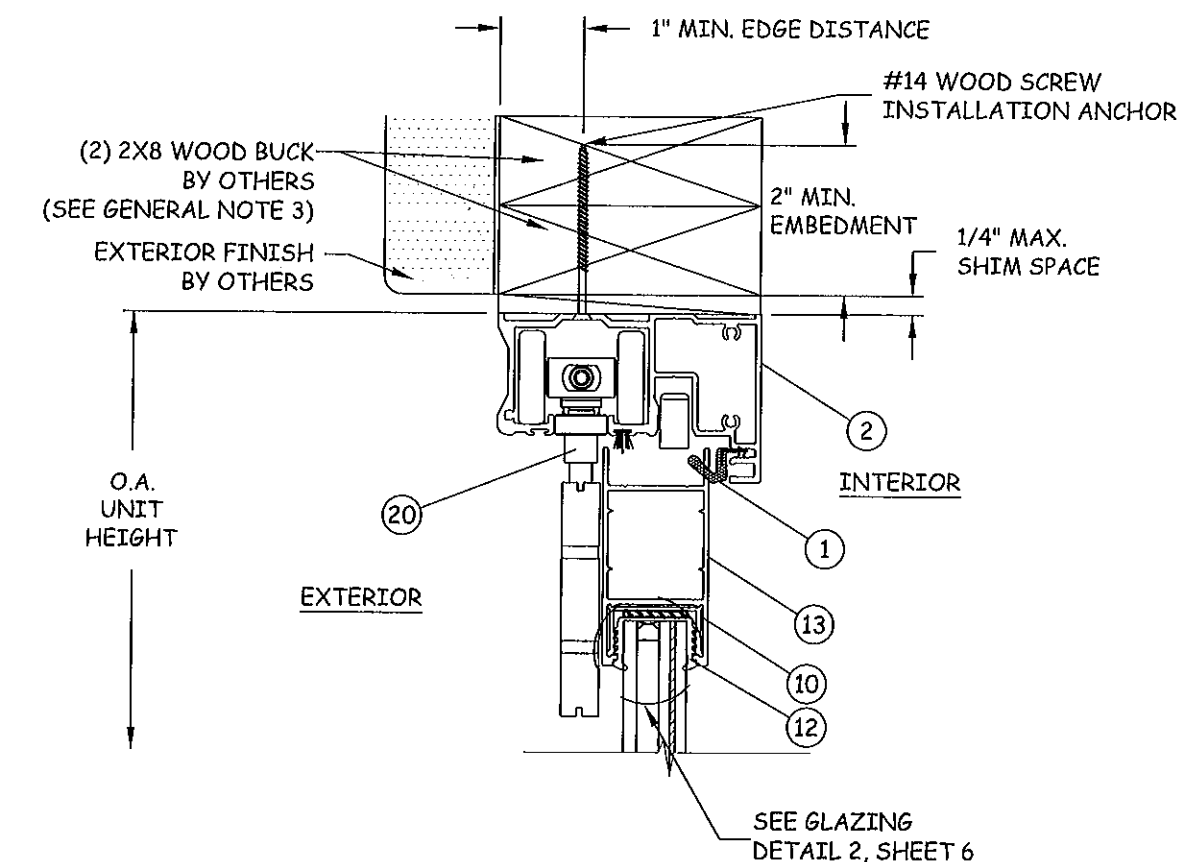
REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2010 FBC CODE UPDATE	MS	2.21.12



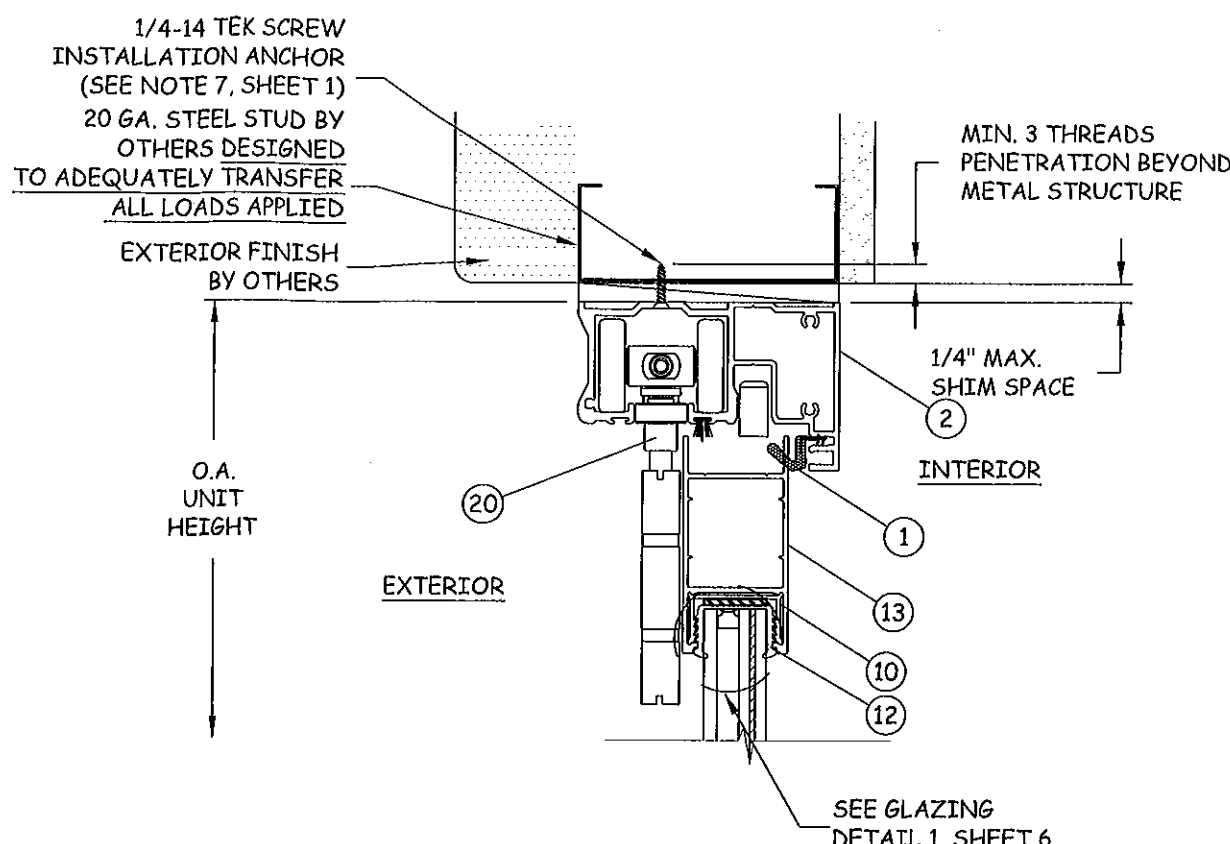
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DWG BY: JLA
CHK BY: KSD
SCALE: NTS

DWG #: **CIP001**
SHEET: **5 OF 11**



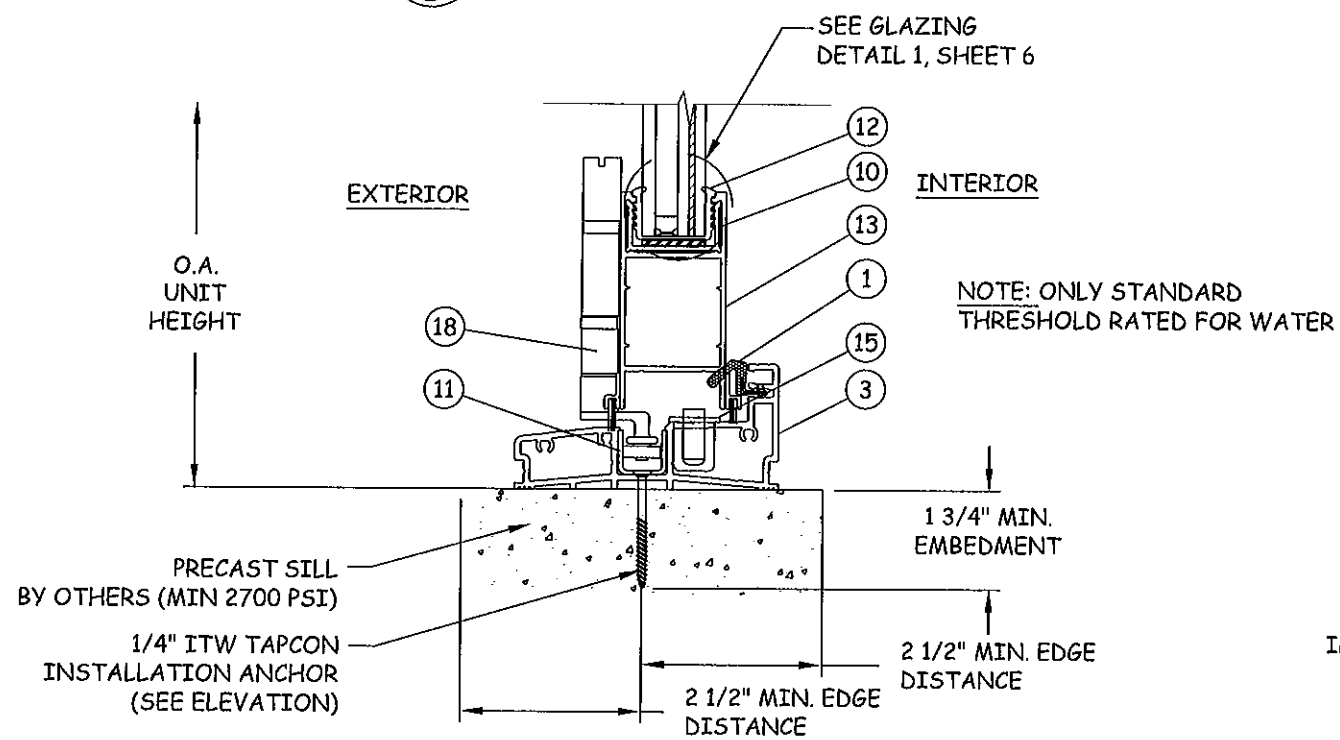
MAX UNIT HEIGHT
98-15/32"

B
5 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME

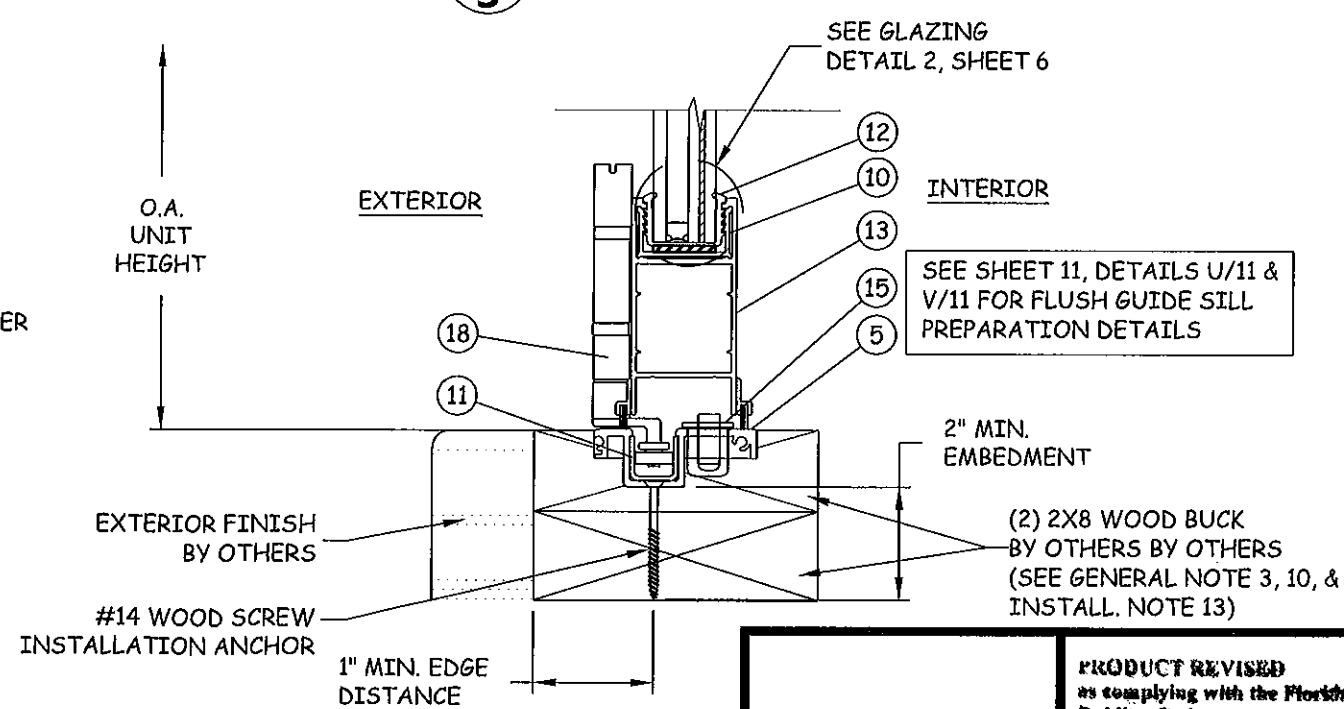


MAX UNIT HEIGHT
98-15/32"

C
5 **VERTICAL SECTION**
HEAD - STEEL STUD

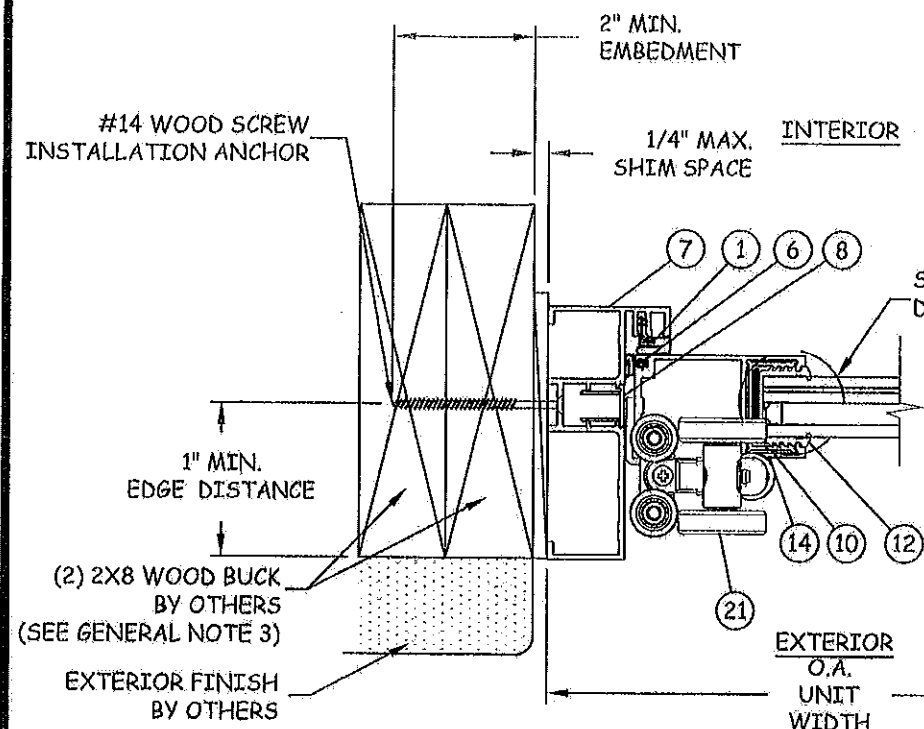


A
5 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
STANDARD THRESHOLD

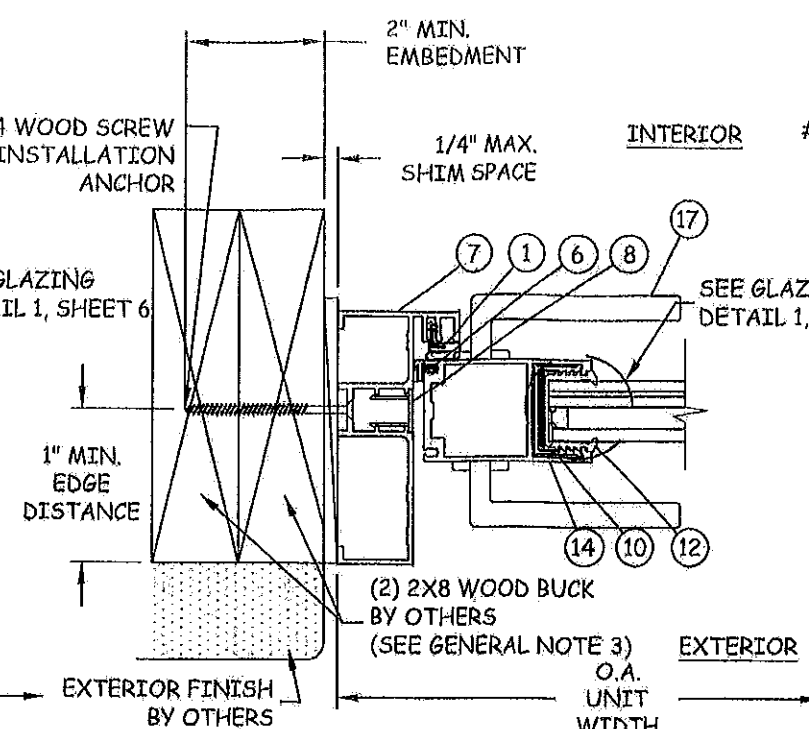


D
5 **VERTICAL SECTION**
SILL - 2X WOOD FRAME
FLUSH GUIDE THRESHOLD

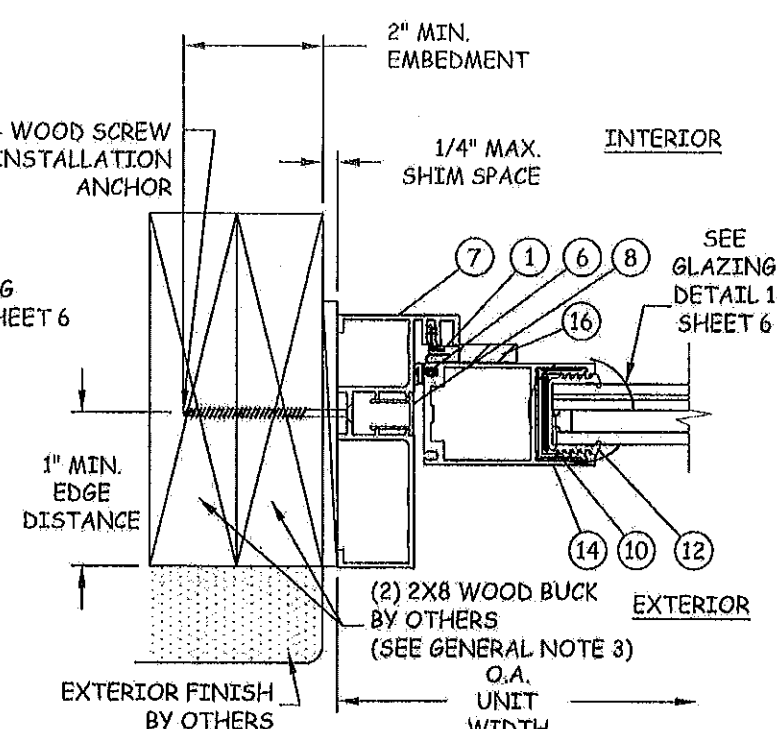
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0326-10
Expiration Date 7/21/16
By: James F. Nasser
James F. Nasser, P.E.



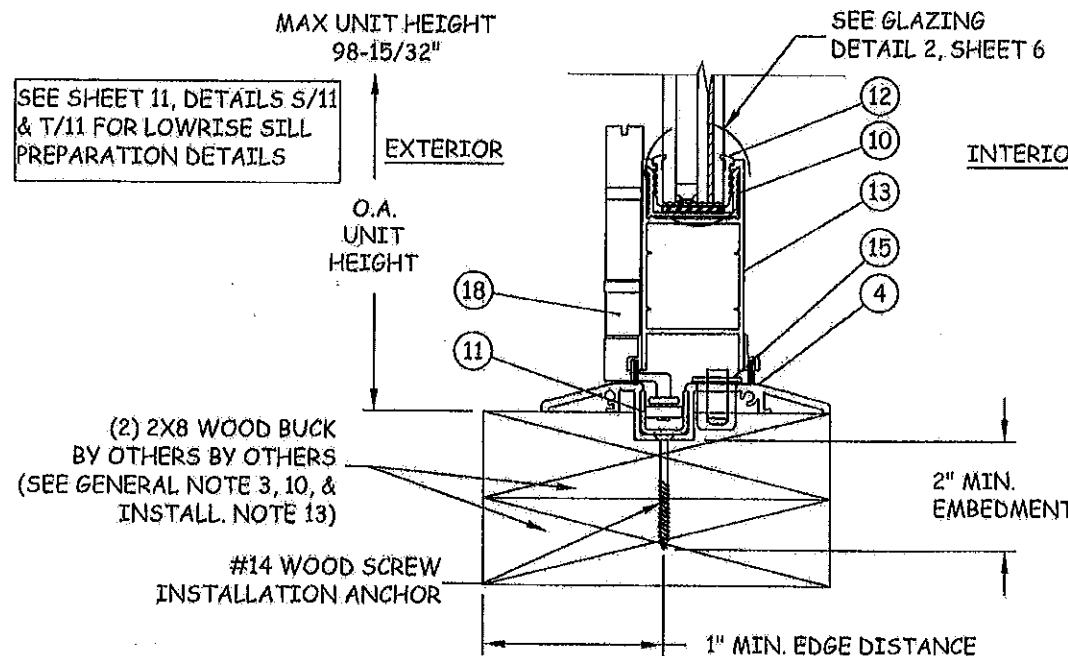
O6 HORIZONTAL SECTION
JAMB - 2X WOOD FRAME
END CARRIER TO JAMB
(ONLY ON EVEN NUMBER CONFIGURATIONS, SEE SCHEDULE SHEET 10)



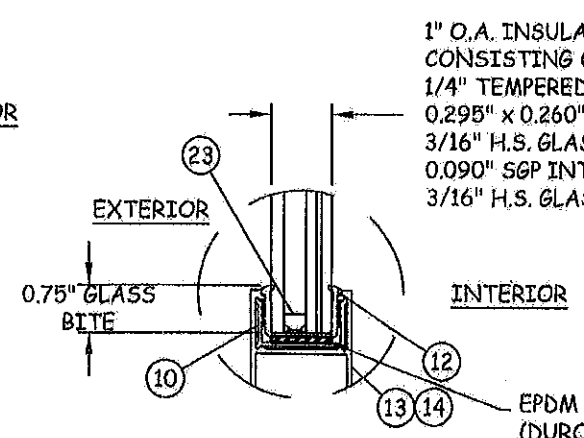
P6 HORIZONTAL SECTION
JAMB - 2X WOOD FRAME
MULTI POINT LOCK TO JAMB
(ONLY ON ODD NUMBER CONFIGURATIONS, SEE SCHEDULE SHEET 10)



Q6 HORIZONTAL SECTION
JAMB W/ 2-PT. LOCK - 2X WOOD FRAME
TWIN BOLT LOCK TO JAMB
(ONLY ON ODD NUMBER CONFIGURATIONS, SEE SCHEDULE SHEET 10)

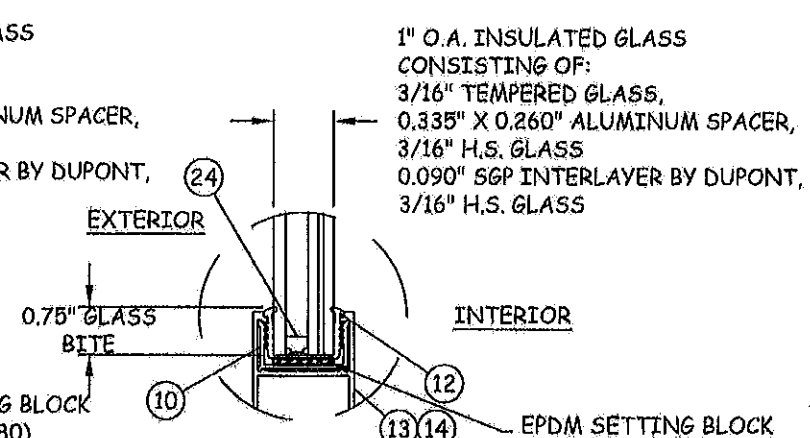


K6 VERTICAL SECTION
SILL-2X WOOD FRAME
LOWRISE THRESHOLD



DRY GLAZING DETAIL 2

NOTE: GE II SILICONE
REQUIRED BETWEEN GLASS
AND FRAME WHERE WATER
INFILTRATION IS REQUIRED.



DRY GLAZING DETAIL 1



COASTAL INNOVATIVE PRODUCTS
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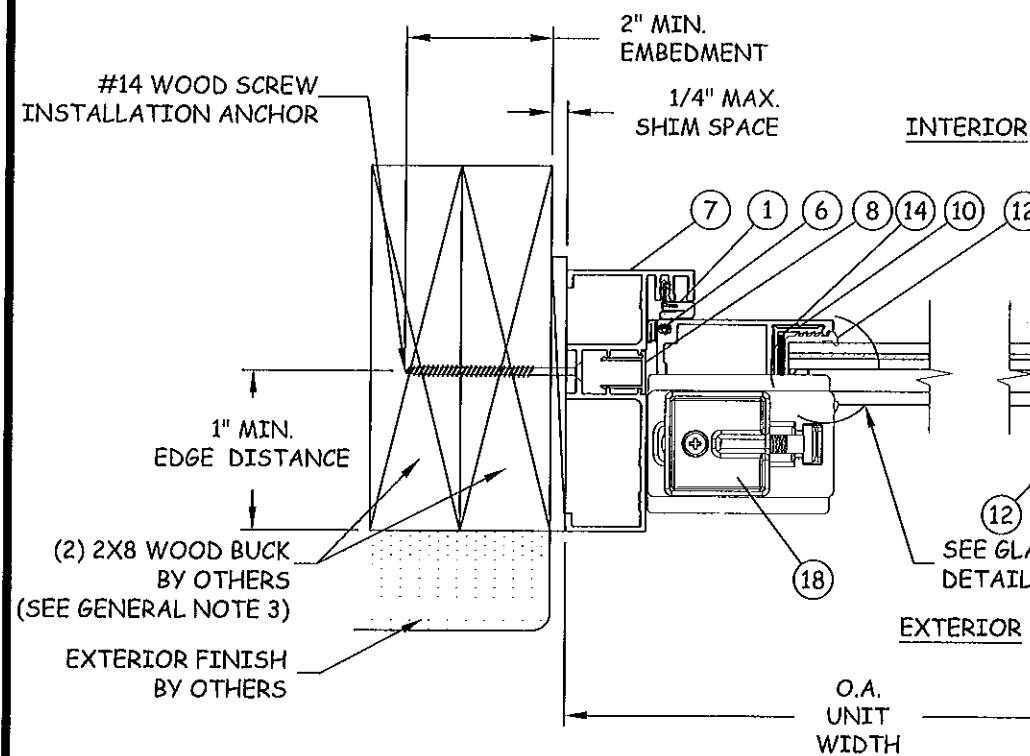
TITLE: E3 HURRICANE BIFOLD DOOR
VERTICAL SECTIONS
& GLAZING DETAILS
PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS		DATE	BY
NO.	DESCRIPTION		
A	2010 FBC CODE UPDATE	2.21.12	MS

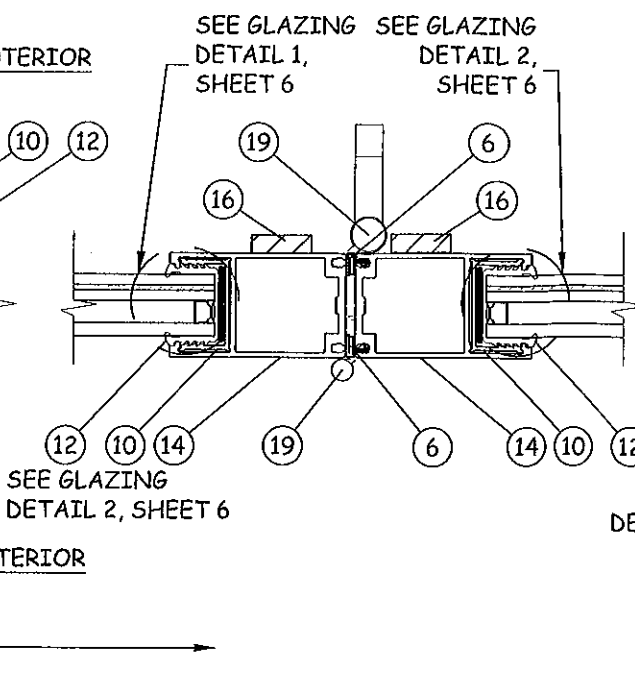
3-15-2012
REVISED PER 2012
FLORIDA BUILDING
CODES
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PERMIT NO. 12-0326-16
12-0326-16

PRODUCT REVIEW
as complying with the Florida
Building Code
12-0326-16
12-0326-16
Ishay I. Chandra

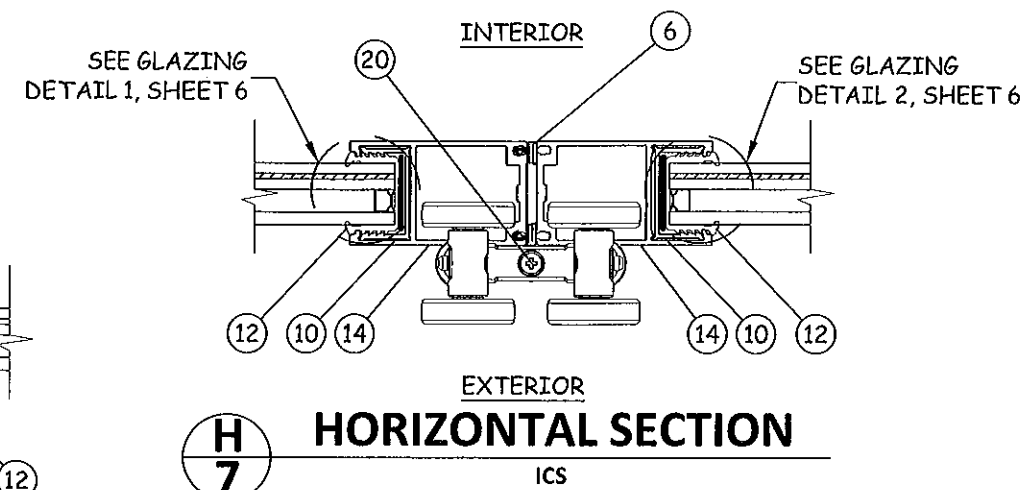
DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 6 OF 11



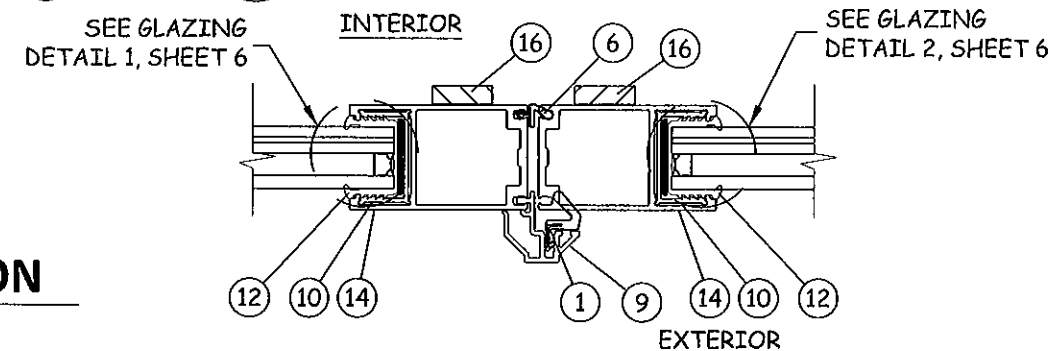
E7 HORIZONTAL SECTION
JAMB - 2X WOOD BUCK



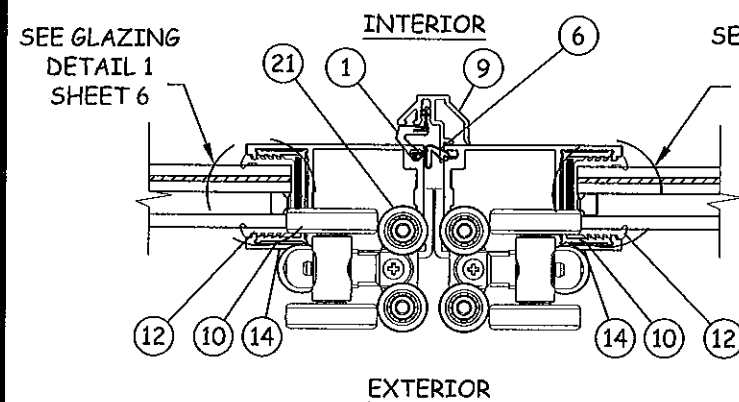
F7 HORIZONTAL SECTION
HHS/HS & TWIN BOLTS



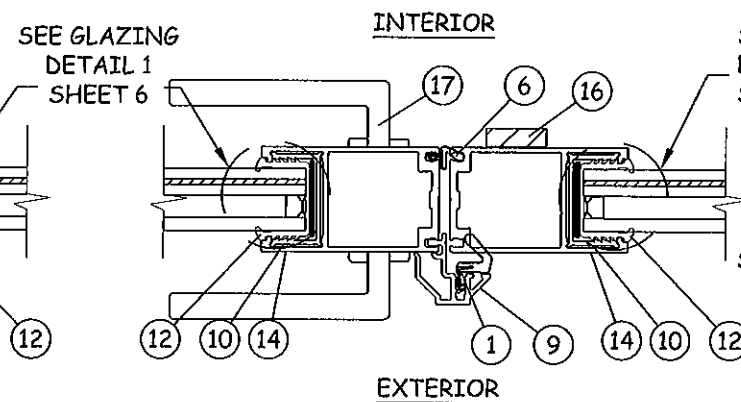
H7 HORIZONTAL SECTION
ICS



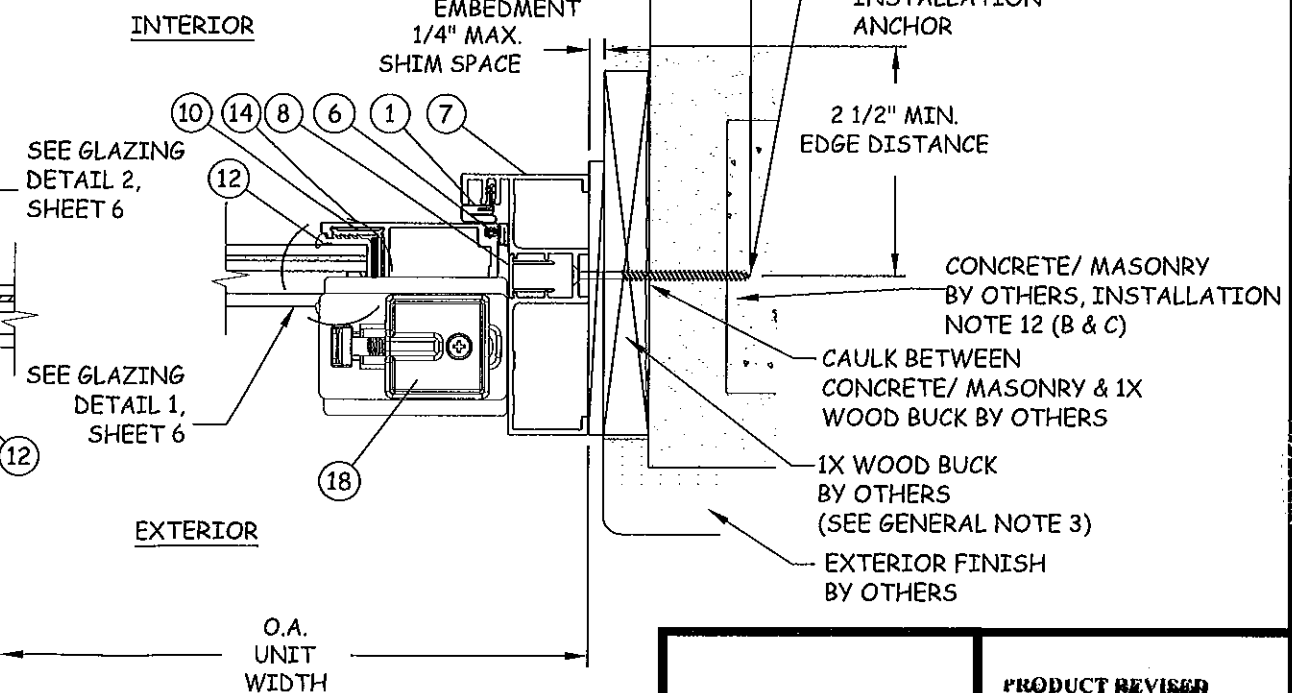
R7 HORIZONTAL SECTION
DOUBLE TWIN BOLT



I7 HORIZONTAL SECTION
RCS/LCS



J7 HORIZONTAL SECTION
4 POINT DOOR HANDLE & TWIN BOLT



G7 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY



COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
HORIZONTAL SECTIONS
PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2010 FBC CODE UPDATE	MS	2.21.12

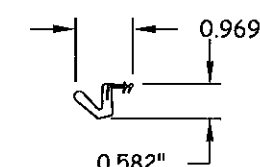
3-15-2012
HERMES E. NORDEN, PE
FLORIDA P.E. NO. 78778
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBC CERT. OF AUTHORIZATION NO. 28578

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0326/10
Expiration Date 7/31/16
By: [Signature]
Name: Dan F. [Signature]

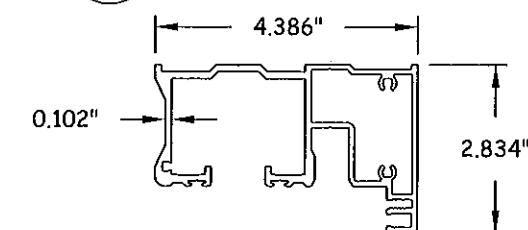
DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 7 OF 11

BILL OF MATERIALS				
ITEM NO.	DESCRIPTION	PART NUMBER	MATERIAL	MANUFACTURER
1	DOOR SEAL	QEBD 650	Q-LON	SCHLEGEL
2	HEADER		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
3	STD. THRESHOLD		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
4	LOWRISE THRESHOLD		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
5	FLUSH GUIDE THRESHOLD		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
6	WETATHERSEAL	QWS-DH1	Q-LON	SCHLEGEL
7	JAMB		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
8	JAMB COVER		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
9	ASTRAGAL		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
10	GLAZING CLIP		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
11	THRESHOLD INSERT		RIGID PVC	COASTAL INNOVATIVE PRODUCTS
12	DRY GLAZING GASKET		SANTOPRENE 101-64 TPV/TPE DUROMETER=64	COASTAL INNOVATIVE PRODUCTS (RAW MATERIAL BY EXXON MOBIL CHEMICAL CO.)
13	DOOR RAIL		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
14	DOOR STILE		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
15	DOUBLE SHOOT BOLT CUPS		ZYTEL 70633L NC010	
16	TWO PT. LOCK	TBL NL L/THROW	ZINC ALLOY	INTERLOCK
17	FOUR PT. LOCK	LCL 30R4PS	ZINC ALLOY	INTERLOCK
18	PIVOT	E3 CPS	STAINLESS STEEL	CENTOR
19	HINGES	E3 HS/ HHS/ HHNHS/ HNHS/ HHNH /HNH	STAINLESS STEEL	CENTOR
20	ICS	E3 CRCS/CLCS	STAINLESS STEEL	CENTOR
21	END CARRIER RCS/LCS	E3 CICS	STAINLESS STEEL	CENTOR
22	MIDRAIL		AL. 6063-T5	COASTAL INNOVATIVE PRODUCTS
23	0.295" I.G. SPACER	756	AL. 6063-0	HELIMA
24	0.335" I.G. SPACER	856	AL. 6063-0	HELIMA

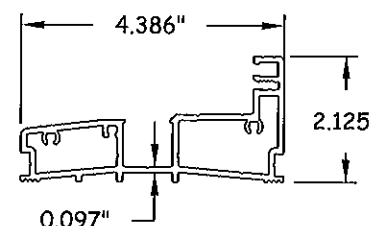
1 FRAME SEAL
Q-LON



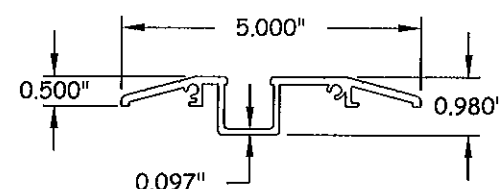
2 HEADER
AL. 6063-T5



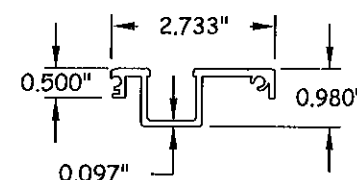
3 STANDARD THRESHOLD
AL. 6063-T5



4 LOWRISE THRESHOLD
AL. 6063-T5



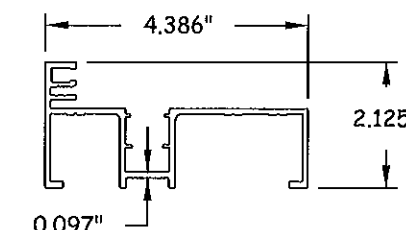
5 FLUSH GUIDE THRESHOLD
AL. 6063-T5



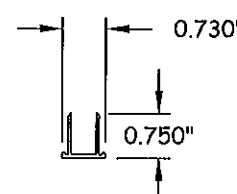
6 DOOR SEAL
Q-LON



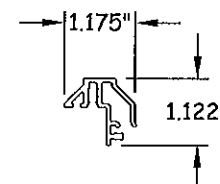
7 JAMB
AL. 6063-T5



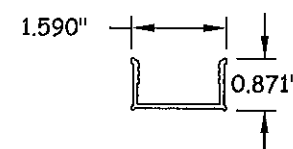
8 JAMB COVER
AL. 6063-T5



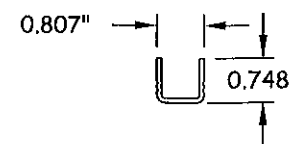
9 ASTRAGAL
AL. 6063-T5



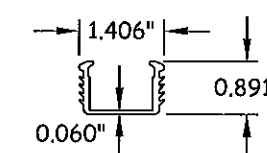
10 GLAZING CLIP
AL. 6063-T5



11 THRESHOLD INSERT
RIGID PVC



12 DRY GLAZING GASKET
SANTOPRENE 101-64



1. MIN. DUROMETER (SHORE A HARDNESS) = 64
2. MIN. TENSILE STRENGTH @ BREAK= 1020 PSI
3. COMPRESSION SET= 26%
4. TEAR STRENGTH= 131 LBF/IN
5. ELONGATION %= 340-463
6. SPECIFIC GRAVITY= MIN. 0.96

REVISIONS

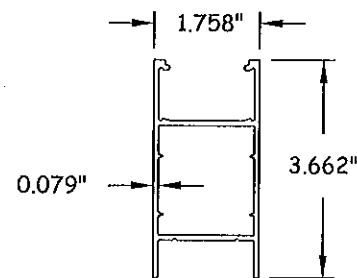
NO.	DESCRIPTION	BY	DATE
A	2010 FBC CODE UPDATE	MS	2.21.12

9-15-2012
HERMES F. NORDHO P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS
127 W. FAIRBANKS AVE. STE. 438
WINTER PARK, FL 32789
FIVE CERT. OF AUTHORIZATION NO. 28576

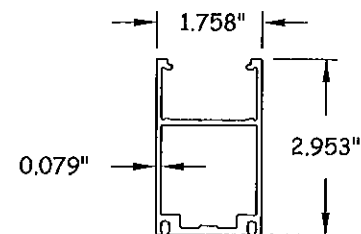
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No 12-0326/0
Expiration Date 7/21/16
By 16aug1.1/16
Signed By: [Signature]

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 8 OF 11

13 DOOR RAIL
AL. 6063-T5



14 DOOR STILE
AL. 6063-T5



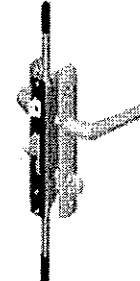
15 DOUBLE SHOOT BOLT CUPS
ZYTEL 70G33L



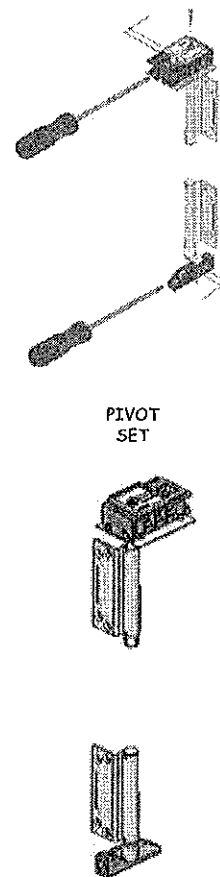
16 TWO PT. LOCK
ZINC ALLOY



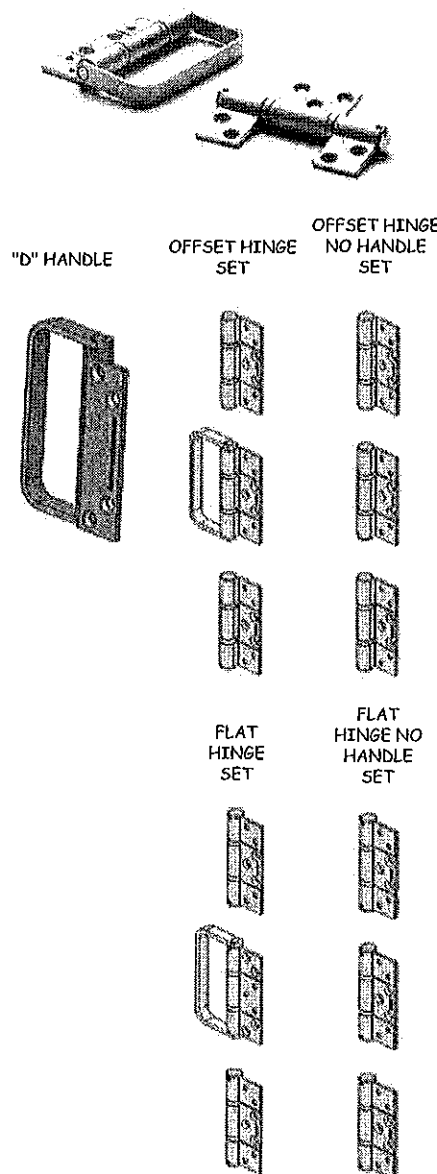
17 FOUR PT. LOCK
ZINC ALLOY



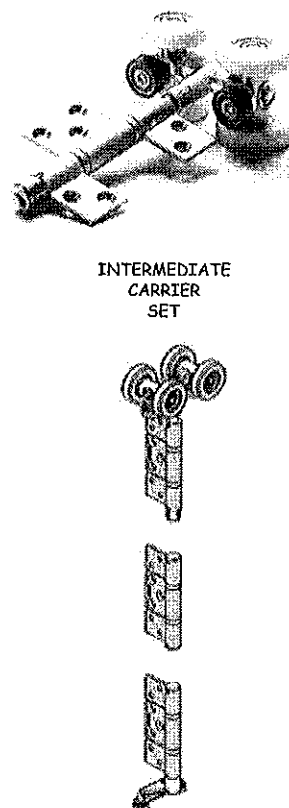
18 2-PIECE PIVOT SET
STAINLESS STEEL



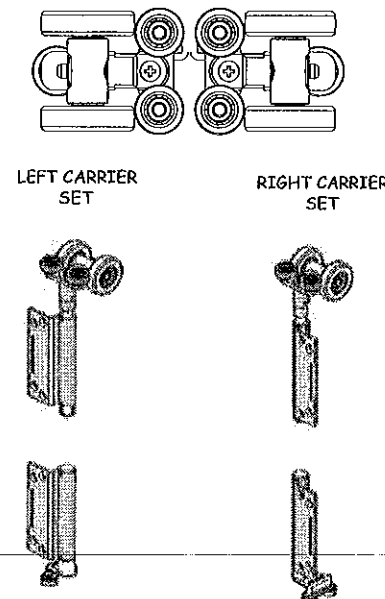
19 3-PIECE HINGE SET
STAINLESS STEEL



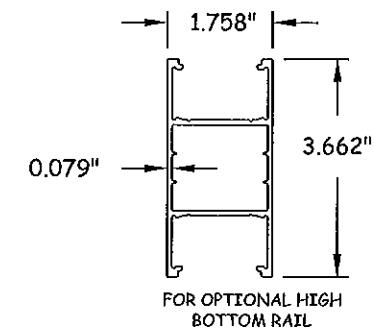
20 3-PIECE ICS SET
STAINLESS STEEL



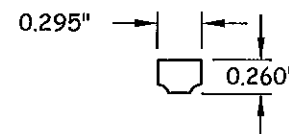
21 2-PIECE SET
END CARRIER (RCS/LCS)
STAINLESS STEEL



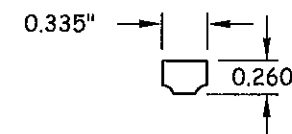
22 MIDRAIL
AL. 6063-T5



23 0.295" I.G. SPACER
AL. 6063-0



24 0.335" I.G. SPACER
AL. 6063-0



COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92867
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR COMPONENTS
PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2010 FBC CODE UPDATE	MS	2.2.12

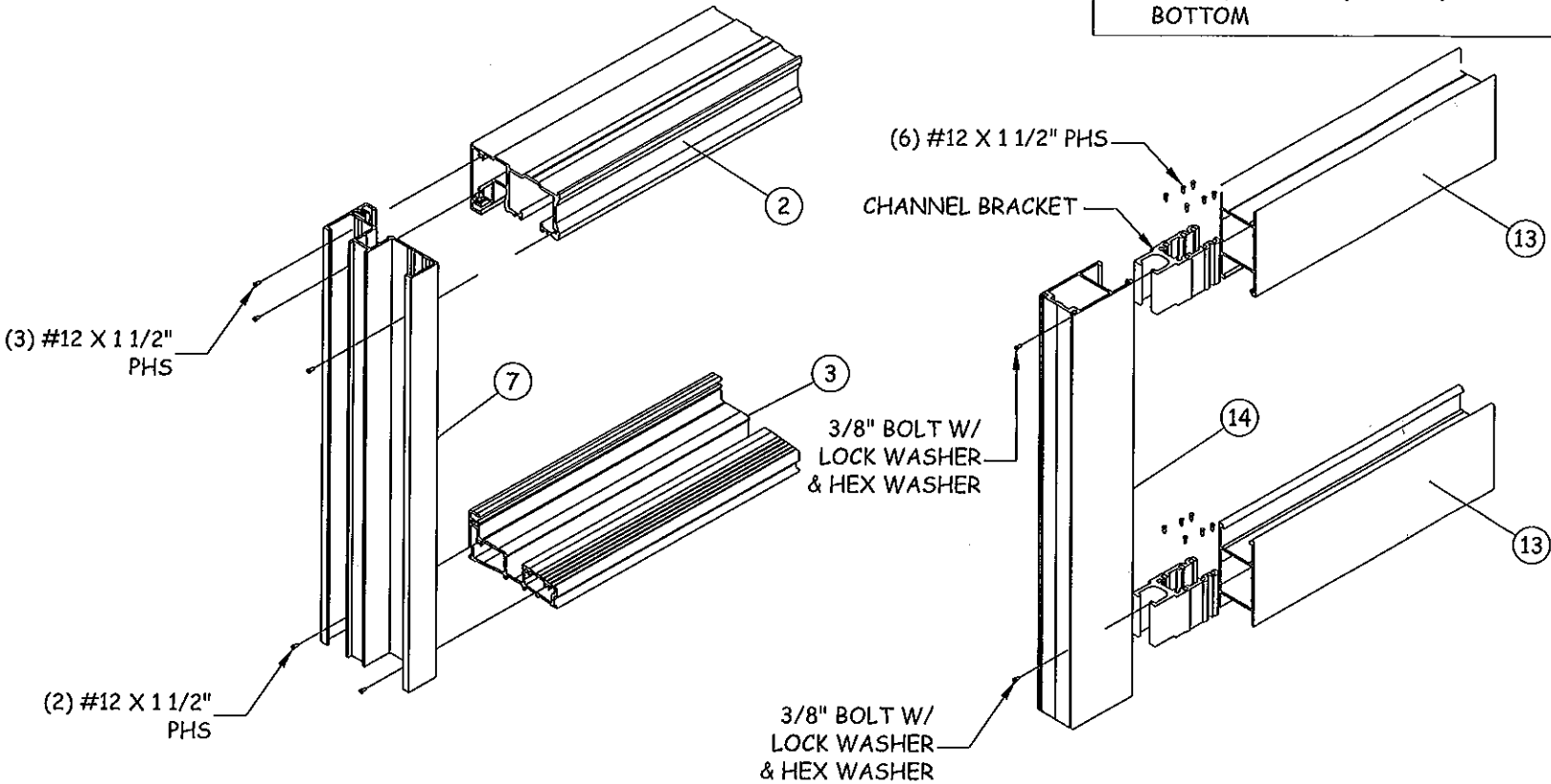
3-15-2012
TERMS F. INDEMNITY
FLORIDA P.S. NO. 73778
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBC CERT. OF AUTHORIZATION NO. 28578

PRODUCT REVISED
to comply with the Florida
Building Code
Assemblance No. 12-0326-10
Expiration Date 7/21/16
By: [Signature]
When Date Product Control

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 9 OF 11

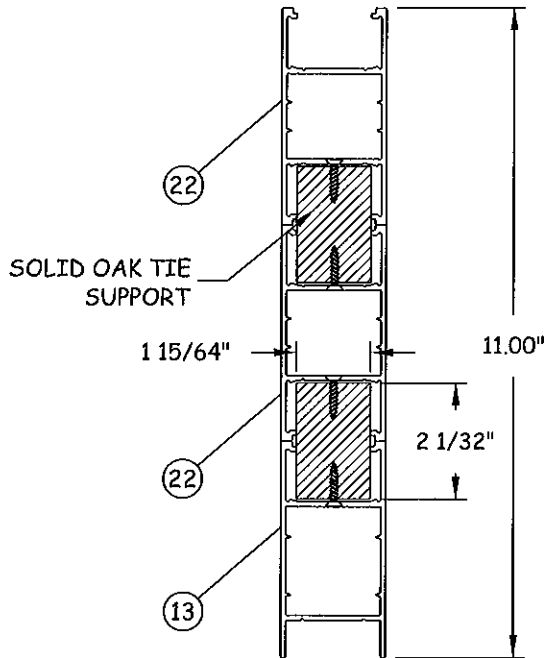
PANEL CT.	QUALIFIED CONFIGURATIONS									
1	1L	1R	-	-	-	-	-	-	-	-
2	1L1R	2L	2R	-	-	-	-	-	-	-
3	1L2R	2L1R	3L	3R	-	-	-	-	-	-
4	1L3R	3L1R	2L2R	4L	4R	-	-	-	-	-
5	1L4R	4L1R	2L3R	3L2R	5L	5R	-	-	-	-
6	1L5R	5R1L	2L4R	4R2L	3L3R	6L	6R	-	-	-
7	1L6R	6L1R	2L5R	5L2R	3L4R	4R3L	7L	7R	-	-
8	1L7R	7L1R	2L6R	6L2R	3L5R	5L3R	4L4R	8L	8R	-
9	1L8R	8L1R	2L7R	7L2R	3L6R	6R3L	4L5R	5L4R	-	-
10	2L8R	8L2R	3L7R	7L3R	4L6R	6L4R	5L5R	-	-	-
11	3L8R	8L3R	4L7R	7L4R	5L6R	6L5R	-	-	-	-
12	4L8R	8L4R	5L7R	7L5R	6L6R	-	-	-	-	-
13	5L8R	8L5R	6L7R	7L6R	-	-	-	-	-	-
14	6L8R	8L6R	7L7R	-	-	-	-	-	-	-
15	7L8R	8L7R	-	-	-	-	-	-	-	-
16	8L8R	-	-	-	-	-	-	-	-	-

- NOTES:
1. MAXIMUM PANEL SIZE: 36" X 96".
 2. END PANEL HARDWARE:
 - A. ODD TO ODD PANELS (I.E. 3L3R CONFIG.)- REQUIRE 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (#3L OR #3R) AND 2-PT LOCK (ITEM 16) ON THE STRIKE-PLATE PANEL (#3R OR #3L)
 - B. ODD TO EVEN PANELS (I.E. 3L2R CONFIG.)- REQUIRE 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (#3L) AND ONE END CARRIER (ITEM 21) (#2R)
 - C. EVEN TO EVEN PANELS (I.E. 2L4R CONFIG.) - REQUIRE ONE END CARRIER (ITEM 21) ON BOTH PANELS (#2L AND #4R);
 - D. ODD PANEL INTO JAMB (I.E. 5L CONFIG.) - REQUIRE EITHER 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (#5L)
 - E. EVEN PANEL INTO JAMB (I.E. 6L) - REQUIRE ONE END CARRIER (ITEM 21) (#6L)
 3. HINGED JOINT PANELS - ALL HINGED PANELS REQUIRE THREE HINGES (ITEM 19) AND TWO 2-PT LOCKS (ITEM 16)
 4. CARRIER JOINT PANELS - ALL EVEN NUMBERED PANELS REQUIRE AN ICS (ITEM 20) AT THE TOP OF THE PANEL, A HINGE (ITEM 20) IN THE CENTER AND A CONCEALED INTERMEDIATE GUIDE (ITEM 20) AT THE BOTTOM



L
10 FRAME CORNER DETAIL
DOOR FRAME WITH STANDARD SILL SHOWN

M
10 PANEL CORNER DETAIL
DOOR PANEL



N
10 VERTICAL SECTION
OPTIONAL HIGH BOTTOM RAIL (WOOD REINFORCED)



COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
CORNER DETAILS &
CONFIGURATIONS
PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2010 FBC CODE UPDATE	MS	2.21.12

3-13-2012
JAMES F. NORD, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
APPROVED FOR AUTHORIZATION NO. 88578

PRODUCT REVIEWED
on compliance with the Florida
Building Code
Acceptance No. 12-0326-10
Expiration Date 7/21/16
By: [Signature]
Miami Daily Product Control

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 10 OF 11



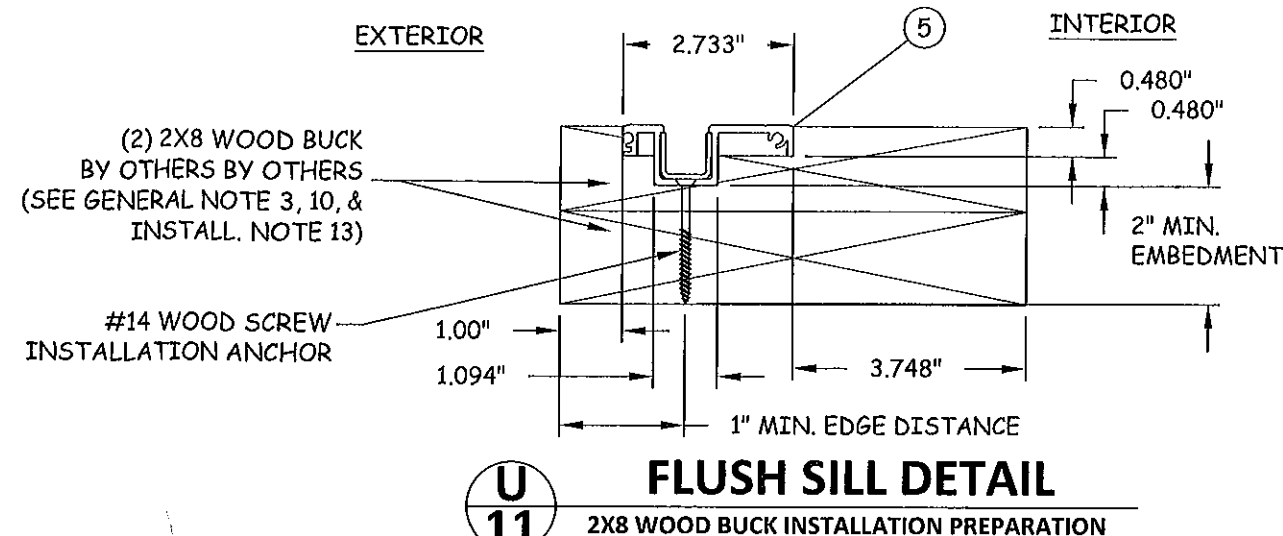
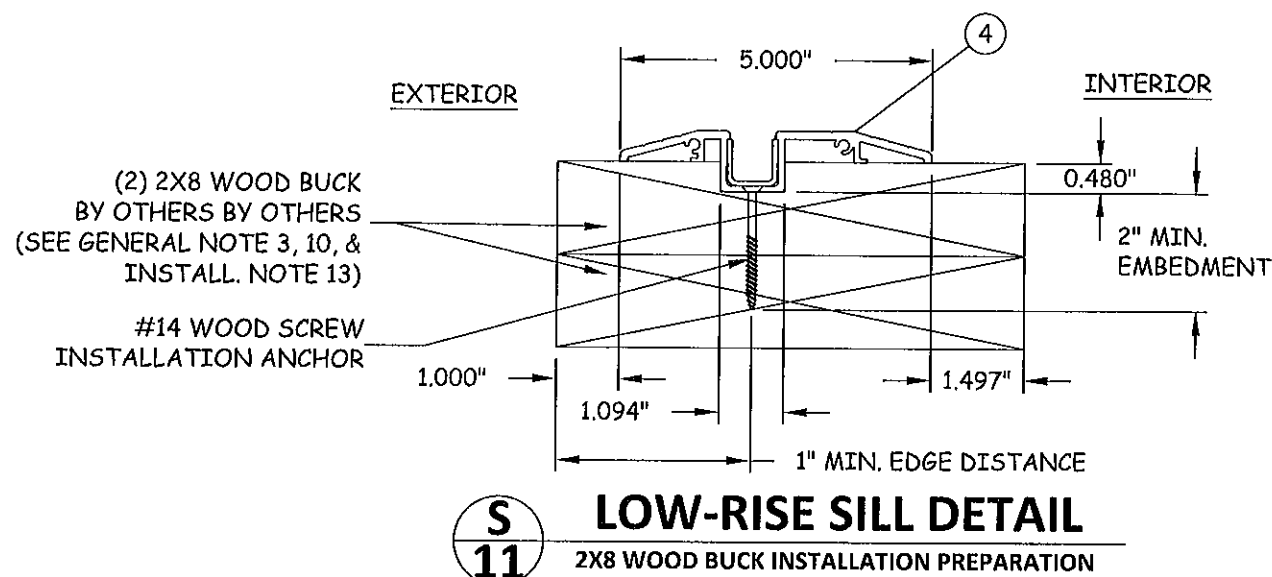
COASTAL INNOVATIVE PRODUCTS
941 NORTH ELA STREET, STE. C
ORANGE, CA 92867
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
INSTALLATION
PREPARATION DETAILS
PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

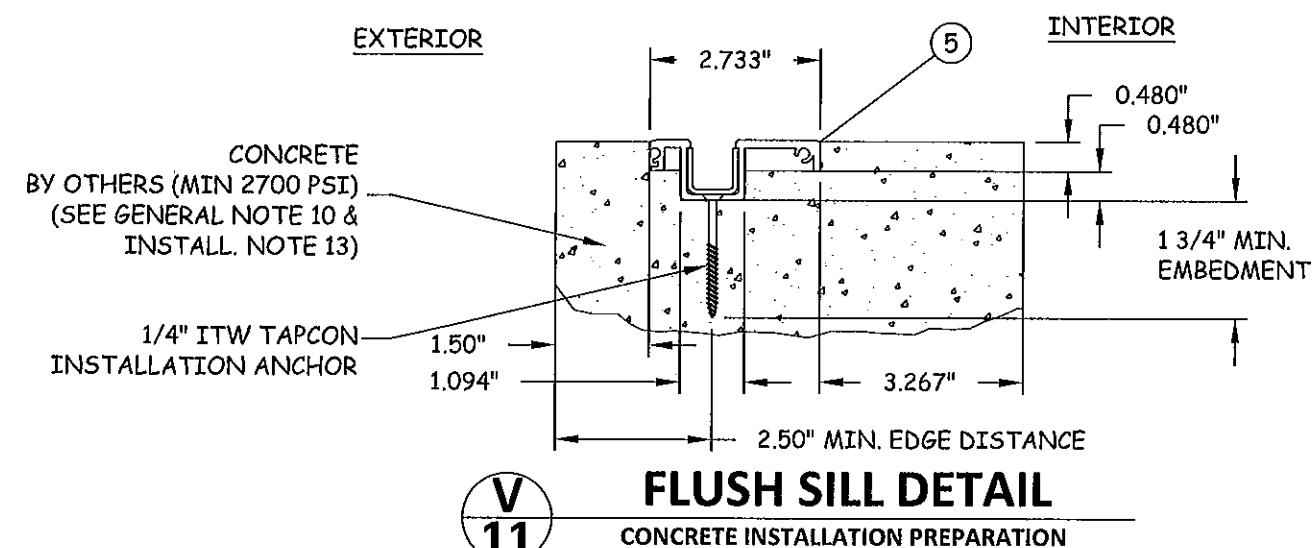
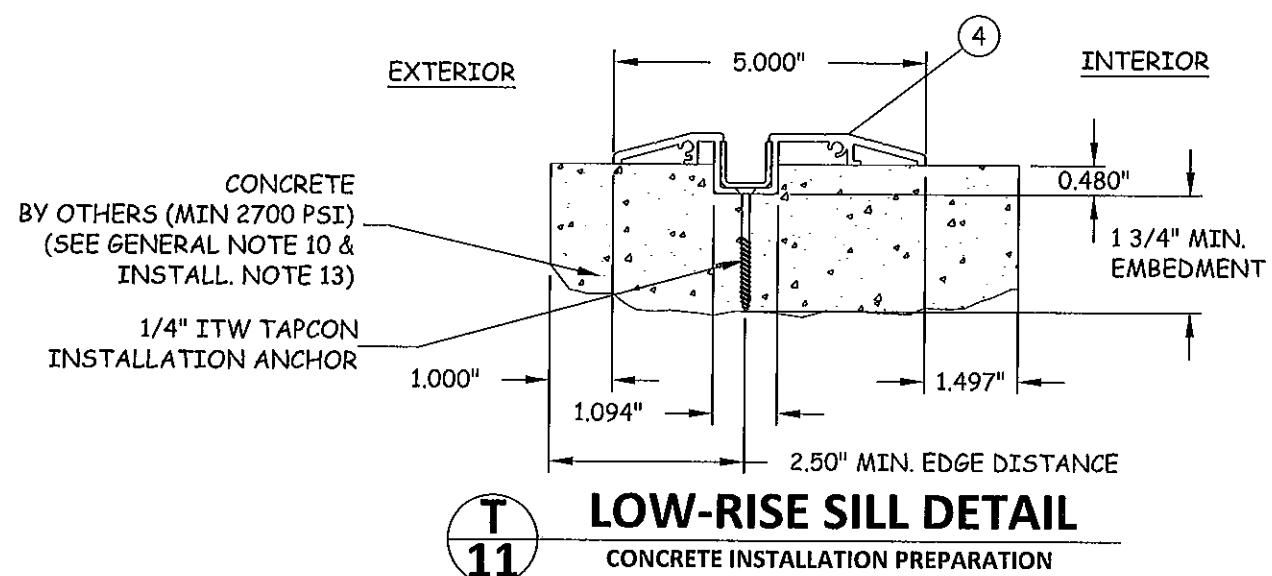
REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2010 FBC CODE UPDATE	MS	2.21.12

3-15-2012
HERMES F. NORDHOFF, PE
FLORIDA P.E. NO. 73778
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBC CODE AUTHORIZATION NO. 28578



ALL SUBSTRATES MUST BE RECESSED AND/OR ROUTED TO ACCOMMODATE THESE COMPONENTS PRIOR TO INSTALLATION. ALL EDGE DISTANCES AND EMBEDMENTS FOR ANCHORS MUST BE MAINTAINED AS NOTED IN THIS SHEET.



PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 12-0326/10
Expiration Date July 21, 2016
By: Ishag L. Chank
Miami Door Product Control

DATE: 10.6.10
DWG BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 11 OF 11